

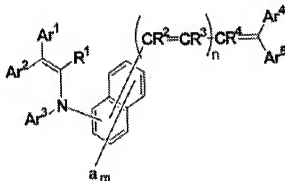
AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An electrophotographic photoreceptor comprising:

a conductive substrate formed of a conductive material; and

a photosensitive layer disposed on the conductive substrate and containing oxotitanium phthalocyanine having a crystal form showing a diffraction peak at a Bragg angle 2θ ($2\theta \pm 0.2^\circ$) of 27.2° in an X-ray diffraction spectrum and an enamine compound represented by the following general formula (1).



(1)

wherein Ar¹ and Ar² each represent an aryl group or a heterocyclic group which may have a substituent; Ar³ represents an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent, or an alkyl group which may have a substituent; Ar⁴ and Ar⁵ each represent a hydrogen atom, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent, or an

alkyl group which may have a substituent, but it is excluded that Ar⁴ and Ar⁵ are hydrogen atoms at the same time; Ar⁴ and Ar⁵ may bond to each other via an atom or an atomic group to form a cyclic structure; "a" represents an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; m indicates an integer of from 1 to 6; when m is 2 or more, then the "a"s may be the same or different and may bond to each other to form a cyclic structure; R¹ represents a hydrogen atom, a halogen atom, or an alkyl group which may have a substituent; R², R³ and R⁴ each represent a hydrogen atom, an alkyl group which may have a substituent, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, or an aralkyl group which may have a substituent; n indicates an integer of from 0 to 3; when n is 2 or 3, then the R²s may be the same or different and the R³s may be the same or different, but when n is 0, Ar³ is a heterocyclic group which may have a substituent,

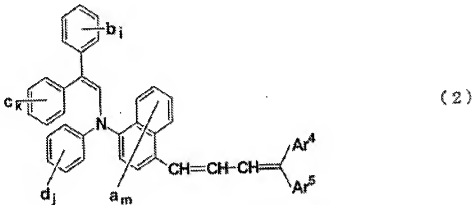
wherein the substituent group of Ar¹, Ar², Ar⁴, Ar⁵, a, R¹, R², R³, R⁴ and R⁵ are independently selected from the group consisting of an alkyl group, an alkenyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group, and

wherein the substituent group of Ar³ is selected from the group consisting of an alkyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group.

2. (Currently Amended) An electrophotographic photoreceptor comprising:

a conductive substrate formed of a conductive material; and

a photosensitive layer disposed on the conductive substrate and containing oxotitanium phthalocyanine having a crystal form showing a diffraction peak at a Bragg angle 2θ ($2\theta \pm 0.2^\circ$) of 27.2° in an X-ray diffraction spectrum and an enamine compound represented by the following general formula (2).



wherein "b", "c" and "d" each represent an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; i, k and j each indicate an integer of from 1 to 5; when i is 2 or more, then the "b"s may be the same or different and may bond to each other to form a cyclic structure; when k is 2 or more, then the "c"s may be the same or different and may bond to each other to form a cyclic structure; and when j is 2 or more, then the "d"s may be the same or different and may bond to each other to form a cyclic structure; Ar⁴ and Ar⁵

each represent a hydrogen atom, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent, or an alkyl group which may have a substituent, but it is excluded that Ar⁴ and Ar⁵ are hydrogen atoms at the same time; Ar⁴ and Ar⁵ may bond to each other via an atom or an atomic group to form a cyclic structure; "a" represents an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; m indicates an integer of from 1 to 6; when m is 2 or more, then the "a"s may be the same or different and may bond to each other to form a cyclic structure.

3. (Previously Presented) The electrophotographic photoreceptor of claim 1, wherein said oxotitanium phthalocyanine is oxotitanium phthalocyanine having a crystal form showing main diffraction peaks at the Bragg angles 2θ ($2\theta \pm 0.2^\circ$) of 7.3° , 9.4° , 9.6° , 11.6° , 13.3° , 17.9° , 24.1° , and 27.2° in which a bundle of diffraction peaks formed by overlap of a diffraction peak at 9.4° and a diffraction peak at 9.6° shows a maximum intensity among the diffraction peaks described above, and the diffraction peak at 27.2° shows an intensity next to the maximum intensity in the X-ray diffraction spectrum.

4. (Previously Presented) The electrophotographic photoreceptor of claim 1, wherein said oxotitanium phthalocyanine is oxotitanium phthalocyanine having a crystal form showing main diffraction peaks at the Bragg angles 2θ ($2\theta \pm 0.2^\circ$) of 9.5° , 9.7° , 11.7° , 15.0° , 23.5° , 24.1° , and 27.3° in the X-ray diffraction spectrum.

a hydrogen atom, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent, or an alkyl group which may have a substituent, but it is excluded that Ar⁴ and Ar⁵ are hydrogen atoms at the same time; Ar⁴ and Ar⁵ may bond to each other via an atom or an atomic group to form a cyclic structure; "a" represents an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; m indicates an integer of from 1 to 6; when m is 2 or more, then the "a"s may be the same or different and may bond to each other to form a cyclic structure; R¹ represents a hydrogen atom, a halogen atom, or an alkyl group which may have a substituent; R², R³ and R⁴ each represent a hydrogen atom, an alkyl group which may have a substituent, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent; n indicates an integer of from 0 to 3; when n is 2 or 3, then the R²'s may be the same or different and the R³'s may be the same or different, but when n is 0, Ar³ is a heterocyclic group which may have a substituent,

wherein the substituent group of Ar¹, Ar², Ar⁴, Ar⁵, a, R¹, R², R³, R⁴ and R⁵ are independently selected from the group consisting of an alkyl group, an alkenyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group, and

wherein the substituent group of Ar³ is selected from the group consisting of an alkyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group.

7. (Original) The electrophotographic photoreceptor of claim 6, wherein said metal phthalocyanine is mixed crystals of oxotitanium phthalocyanine and metal phthalocyanine other than said oxotitanium phthalocyanine.

8. (Original) The electrophotographic photoreceptor of claim 7, wherein the mixed crystals are mixed crystals of oxotitanium phthalocyanine and chlorogallium phthalocyanine.

9. (Original) The electrophotographic photoreceptor of claim 7, wherein the mixed crystals are mixed crystal of oxotitanium phthalocyanine and chloroindium phthalocyanine.

10. (Currently Amended) An electrophotographic photoreceptor comprising:

an conductive substrate formed of a conductive material, and

a photosensitive layer disposed on the conductive substrate and containing non-metal phthalocyanine and an enamine compound represented by the general formula

(1)



which may have a substituent, an aryl group which may have a substituent, a

heterocyclic group which may have a substituent, or an aralkyl group which may have a substituent; n indicates an integer of from 0 to 3; when n is 2 or 3, then the R²s may be the same or different and the R³s may be the same or different, but when n is 0, Ar³ is a heterocyclic group which may have a substituent.

wherein the substituent group of Ar¹, Ar², Ar⁴, Ar⁵, a, R¹, R², R³, R⁴ and R⁵ are independently selected from the group consisting of an alkyl group, an alkenyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group, and

wherein the substituent group of Ar³ is selected from the group consisting of an alkyl group, an alkoxy group, an amino group, a halogeno group, an aryl group, an aryloxy group and an arylthio group.

11. (Original) The electrophotographic photoreceptor of claim 10, wherein said non-metal phthalocyanine is X-type non-metal phthalocyanine.

12. (Previously Presented) The electrophotographic photoreceptor of claim 10, wherein the photosensitive layer further contains metal phthalocyanine.

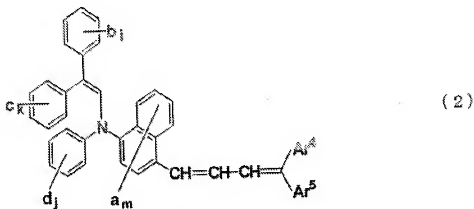
13. (Original) The electrophotographic photoreceptor of claim 12, wherein said non-metal phthalocyanine and said metal phthalocyanine constitute mixed crystals of non-metal phthalocyanine and metal phthalocyanine.

14. (Previously Presented) The electrophotographic photoreceptor of claim 12, wherein said metal phthalocyanine is oxotitanium phthalocyanine.

15. (Currently Amended) An electrophotographic photoreceptor comprising:

a conductive substrate comprising a conductive material, and

a photosensitive layer disposed on the conductive substrate and containing two or more of metal phthalocyanines containing oxotitanium phthalocyanine and an enamine compound represented by the following general formula (2).



wherein "b", "c" and "d" each represent an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; i, k and j each indicate an integer of from 1 to 5; when i is 2 or more, then the "b"s may be the same or different and may bond to each other to form a cyclic structure; when k is 2 or more, then the "c"s may be the same or different and may bond to each other to form a cyclic structure; and when j is 2 or more, then the "d"s may be the same or different and may bond to each other to form a cyclic structure;

Ar⁴ and Ar⁵ each represent a hydrogen atom, an aryl group which may have a substituent, a heterocyclic group which may have a substituent, an aralkyl group which may have a substituent, or an alkyl group which may have a substituent, but it is excluded that Ar⁴ and Ar⁵ are hydrogen atoms at the same time; Ar⁴ and Ar⁵ may bond to each other via an atom or an atomic group to form a cyclic structure; "a" represents an alkyl group which may have a substituent, an alkoxy group which may have a substituent, a dialkylamino group which may have a substituent, an aryl group which may have a substituent, a halogen atom, or a hydrogen atom; m indicates an integer of from 1 to 6; when m is 2 or more, then the "a"s may be the same or different and may bond to each other to form a cyclic structure.

16. (Previously Presented) An electrophotographic image forming method comprising:

a step of charging the surface of an electrophotographic photoreceptor;

a step of applying exposure to the charged surface to form electrostatic latent images; and

a step of developing the electrostatic latent images,

wherein the electrophotographic photoreceptor of any one of claims 1, 2, 6, 10 and 15 is used as the electrophotographic photoreceptor.

17. (Currently Amended) The electrophotographic image forming method of claim 16, wherein a time from the start of exposure to the surface of the

electrophotographic photoreceptor till the completion of the development for the electrostatic latent images is 90 msec or less.

18. (Previously Presented) An electrophotographic apparatus comprising:

the electrophotographic photoreceptor of any one of claims 1, 2, 6, 10 and 15;

charging means for charging a surface of the electrophotographic photoreceptor;

exposure means for applying exposure to the charged surface; and

developing means for developing electrostatic latent images formed by exposure.

19. (Currently Amended) An electrophotographic apparatus comprising:

the electrophotographic photoreceptor of any one of claims 1, 2, 6, 10 and 15,
which is supported rotatably to an apparatus main body;

photoreceptor driving means for rotationally driving the electrophotographic
photoreceptor at a rotational circumferential speed of V_p ;

charging means for charging an outer circumferential surface of the
electrophotographic photoreceptor;

exposure means for applying exposure to the charged outer circumferential
surface;

developing means for developing electrostatic latent images formed by exposure;
and

a controller of the photoreceptor driving means which provides a operation such that a value $d (= L/V_p)$ is 90 msec or less, wherein L is a distance along the outer circumferential surface of the electrophotographic photoreceptor from an exposure position by the exposure means to a developing position by the developing means and V_p is the rotational circumferential speed of the photoreceptor.

20. (Original) The electrophotographic apparatus of claim 19, wherein the electrophotographic photoreceptor has a cylindrical or circular columnar shape, and a diameter of the electrophotographic photoreceptor is 24 mm or more and 40 mm or less.

21. (Previously Presented) The electrophotographic photoreceptor of claim 2, wherein said oxotitanium phthalocyanine is oxotitanium phthalocyanine having a crystal form showing main diffraction peaks at the Bragg angles 2θ ($2\theta \pm 0.2^\circ$) of 7.3° , 9.4° , 9.6° , 11.6° , 13.3° , 17.9° , 24.1° , and 27.2° in which a bundle of diffraction peaks formed by overlap of a diffraction peak at 9.4° and a diffraction peak at 9.6° shows a maximum intensity among the diffraction peaks described above, and the diffraction peak at 27.2° shows an intensity next to the maximum intensity in the X-ray diffraction spectrum.

22. (Previously Presented) The electrophotographic photoreceptor of claim 2, wherein said oxotitanium phthalocyanine is oxotitanium phthalocyanine having a crystal form showing main diffraction peaks at the Bragg angles 2θ ($2\theta \pm 0.2^\circ$) of 9.5° , 9.7° , 11.7° , 15.0° , 23.5° , 24.1° , and 27.3° in the X-ray diffraction spectrum.

23. (Previously Presented) The electrophotographic photoreceptor of claim 2, wherein said oxotitanium phthalocyanine is oxotitanium phthalocyanine having a crystal form showing main diffraction peaks at the Bragg angles 2θ ($2\theta \pm 0.2^\circ$) of 9.0° , 14.2° , 23.9° , and 27.1° in the X-ray diffraction spectrum.